

Scott M. Matheson
Governor



James O. Mason, M.D., Dr.P.H.
Executive Director
Department of Health
801-533-6111

Kenneth L. Alkema
Director
Division of Environmental Health
801-533-6121

MEMBERS

Grant K. Borg, Chairman
W. Lynn Cottrell
Harold B. Lamb
Kenneth L. Alkema
Franklin N. Davis
Dale P. Bateman
Joseph A. Urbanik
C. Arthur Zeldin
Mrs. Lloyd G. Bliss

STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
Utah Water Pollution Control Committee

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

December 12, 1983

533-6146

Calvin K. Sudweeks
Executive Secretary
Rm 410 (801) 533-6146

RECEIVED
DEC 12 1983

DIVISION OF
OIL, GAS & MINING

RE: Hecla Mine Wastewater

Dear Mr. Miller:

We continue to be disappointed by Union Carbide's delay in submitting plans for a satisfactory wastewater system for the Hecla Mine. Plans have been requested of Union Carbide in our letters of January 19, July 8, and October 19, 1983.

Parts I, II, III and VI of the Utah Wastewater Disposal Regulations were sent to Union Carbide along with our January, 1983 letter. Since the company requested in their November 11, 1983 letter to identify the specific regulations for the Hecla wastewater system, the following sections of the wastewater disposal regulations appear the most appropriate.

- Section 1.2.2 "No person shall make or construct any device for treatment or discharge of wastewater except to an existing sewer system without first receiving a permit to do so from the Committee or its authorized representative." The existing system is not approved.
- Section 1.2.3 "Any person desiring a permit as required by Section 1.2.2 shall submit complete plans, specifications and other pertinent documents covering the proposed construction to the Division for review."
- Section 1.2.7 Daily records must be kept and monthly reports submitted.
- Section 2.0 Public Policy to protect water quality (including groundwater)
- Part II Page 9 Kane Canyon Creek and tributaries are classified 3C and 4
- Part II Appendix A - class 4 agriculture standards and class 3C case-by-case

Part III Page 2 Construction plans and Engineering report must be submitted for review and approval.

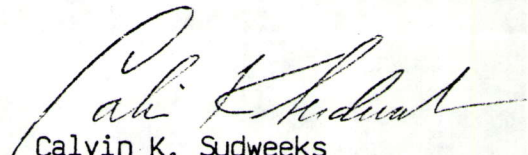
Part III Section 82-91 Pond Design (Part VI can be used as a reference for controlling seepage from ponds containing chemical wastes).

The following comments are in regard to specific design standards. The company must design a system which meets State and EPA effluent standards and not cause the stream standards to be violated. In addition to compliance with the EPA effluent standards, the company must submit analyses or information on the proposed effluent quality for arsenic, cadmium, copper, lead, selenium, boron, barium and TDS. Values must indicate no potential water quality violations. Where beneficial use permits and where there is adequate stream flow for dilution, effluent values of 15pc/l total radium 226 and 0.1 mg/l zinc are acceptable to the state.

Since the existing ponds have not been approved, we request that the company submit a monthly report by the last day of each month. These reports must include monthly analyses of the seeps for radium, uranium, pH and TDS as indicated in our October 19 letter. In addition the report must indicate monthly progress on the design of a satisfactory Hecla Mine wastewater system. The December report should include a schedule of compliance as requested in our July letter and the preliminary designs showing proposed pond locations indicated in the November 11 Union Carbide letter.

Union Carbide's compliance with these requests and immediate attention to the design of a satisfactory system is considered necessary to prevent the initiation of enforcement action.

Sincerely,
Utah Water Pollution Committee


Calvin K. Sudweeks
Executive Secretary

SM:jg
cc: Oil, Gas and Mining
Southeastern Utah District Health Department